

Amendments to the Claims

Claim 1 (Original): An abrasive alloy comprising
a material with a hardness over 20 GPa in combination with from about 5 vol. % to about 30 vol. % of a ductile binder phase of Co-Mn alloy.

Claim 2 (Original): The abrasive alloy of claim 1 wherein the material with a hardness over 20 GPa is selected from the group consisting of BN (cubic), SiC, Al₂O₃, TiB₂, WC, TiC, AlB₁₂, Si₃N₄, AlMgB₁₄, Al_zSi_{1-z}MgB₁₄, AlCr_zMg_{1-z}B₁₄, AlTi_zMg_{1-z}B₁₄ and AlMgB₁₄X where X is present in an amount of from 5 wt. % to 30 wt. % and comprises a doping agent from the group consisting of Group III, IV, V elements and borides and nitrides thereof and where $1 \geq z \geq 0$.

Claim 3 (Original): The abrasive alloy of claim 1 wherein the ductile binder phase is from about 10 vol. % to about 20 vol. % of a ductile binder of Co-Mn alloy.

Claim 4 (Original): The abrasive alloy of claim 1 wherein the ductile binder phase of Co-Mn alloy ranges from Co-5% (atomic) Mn alloy to Co-45% (atomic) Mn alloy.

Claim 5 (Original): The abrasive alloy of claim 4 wherein the ductile binder phase of Co-Mn alloy ranges from Co-17 % (atomic) Mn alloy to Co-38 % (atomic) Mn alloy.

Claims 6-13 (Cancelled)